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1964

Papers Concerning Logan Water Works; Correspondence

Dean F. Peterson
Utah State University

Alvin A. Bishop
Utah State University

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REPLY MESSAGE

THIS FORM AVAILABLE FROM GRAYARC CO., 882 THIRD AVE., BROOKLYN 32, N. Y.

TO

DEAN PETERSON

FROM

Waterworks Equipment Co.

502 WEST THIRD SOUTH
SALT LAKE CITY 10, UTAH
DAVIS 8-8551

SUBJECT:

DATE:

1-28-64

FOLD ↑

DEAR DEAN — ATTACHED IS INFO REGARDING
PUMP STARTING EQUIPMENT FOR THE
LOGAN WELL PUMPING STATION YOU ARE
NOW DESIGNING. PLEASE LET US KNOW
HOW WE CAN BE OF FURTHER HELP TO
YOU.

SINCERELY

PLEASE REPLY TO →

SIGNED

John Puckett

DATE

SIGNED

THIS COPY FOR PERSON ADDRESSED

2500
for squirrel cage motors

NEMA class E2 with air break contactors

BISHOP AND PETERSON

page 1

Furnish and install one medium voltage fused starter 2200 to 2500 volt, 700 H.P. maximum capacity, interrupting capacity 150,000 KVA, with autotransformer type non-reversing starter assemblies (closed transition) in a Nema 1 floor mounted free standing enclosure with hinged doors not to exceed 90 inches high by 52 inches wide, by 30 inches deep. The control shall specifically contain the following:

- 3 - isolated vertical powerline bus connectors.
- 1 - drawout three-pole gang operated line isolating switch assembly with two-direction driven shutter, external operating handle interlocked to prevent opening the compartment door until the switch is open and a latch to hold switch in grounded position with door open.
- 3 - vertically mounted current limiting power fuses with indicators.
- 1 - control circuit transformer (115 volt secondary) with two vertically mounted primary current limiting fuses.
- 1 - drawout magnetic three-pole air-break contactor assembly with d-c operating coils, electrical interlocks and mechanical interlock to prevent opening isolating switch when contactor is closed.
- 3 - current transformers
- 3 - motor terminals
- 2 - control circuit fuses on hinged panel
- 1 - slide out relay panel with:
 - 1 - inductive type thermal overload relay, temperature compensated, two pole, hand reset, 3 leg overload protection
 - 1 - control relay
 - 1 - aging resistor
 - 1 - adjustable Pneumatic timing relay
- 1 - selenium rectifier
- 1 - Run-test, selector switch
- 1 Set of control circuit terminal blocks
- 1 - fuse puller
- 1 - maintenance and operating instruction panel
- 1 - drawout magnetic three pole air-break accelerating contactor assembly with d-c operating coils, electrical and mechanical interlocks with line contactor.
- 1 - drawout magnetic three-pole air break accelerating contactor assembly with d-c operating coils and electrical interlocks.
- 1 - open delta starting autotransformer (50-65 - 80% taps)
- 1 - Pneumatic time delay relay to prevent immediate restart of pump upon power failure. Range 0 - 3 minutes.

April 10, 1964

W. E. Starr & Company
926 South Atlantic Boulevard
Los Angeles 22, California

Dear Mr. Starr:

In reference to your letter of April 6 please furnish us a statement of the components to be included in the motor control and their electrical capacities and characteristics. Equipment must meet the specifications in all respects. It is not possible to check this fully from the literature furnished in either case. Any equipment, which upon inspection or tests fail to meet specifications, except as covered by statement on "alternate quotations" will be rejected.

Yours very truly,

bp

Bishop & Peterson

April 10, 1961

Wayne Wiscomb
WISCO
P.O. Box 321
Salt Lake City, Utah

Dear Mr. Wiscomb;

Your letter of February 28 has been referred to us for reply. Based on the literature furnished plus such additional manufacturer's literature as we have in our files our comments are as follows:

Gate Valves: Fig. 67 O-Ring Type AWWA class C, M and H Valve and Fitting Co. - approved.

Check Valves; No literature in packet handed me.

Ballcentric Valve; Homestead Valve Co. Approved.

Butterfly Valves; Information is insufficient to tell if specifications are met. Please furnish diameter of shaft and minimum body thickness for the 16" valve. Specs call for 2-1/4" shaft. We are considering an exception to 2". See also AWWA C505-80 Sec 12.3 on operator for torque requirements and furnish appropriate engineering information so we can check.

Controls: Automatic Control Company is approved as a manufacturer of system components if appropriate functionally. You did not submit proposed systems so no specific approval can be given. System must meet functional specifications.

Control Valves: Please indicate which specific valve you intend to use at each location and how it will operate. Note that line control valves must throttle as well as operate fully open or fully closed. We have no objection to Golden-Anderson Valves provided the specific valve meets the specifications functionally and mechanically.

Yours very truly,

bp

Bishop & Peterson

April 24, 1964

Technical Services Inc.
292 West Center Street
Provo, Utah

Gentlemen:

Last Tuesday we opened bids for the installation of pumps and equipment at Wells No. 1 and No. 4. As you know, there is a rather cluttered mess around Well No. 4 (10th North and 2nd East) and it is imperative that it be cleaned up immediately so that pump installation and construction can proceed. We thought perhaps you would be anxious to get the clean up accomplished also, since a rather sizable amount has been with-held from your payments pending final clean-up.

We would certainly appreciate your immediate attention to this matter.

Yours very truly,



BISHOP AND PETERSON

cc: Ray Hagie
City Engineer

dp



TECHNICAL SERVICES INCORPORATED
292 WEST CENTER STREET, PROVO, UTAH

JUNE 19, 1964

BISHOP AND PETERSON
71 N. 2ND WEST
LOGAN, UTAH

GENTLEMEN:

TRANSMITTED HERewith IS OUR BILL FOR THE BALANCE OF PAYMENT ON OUR
WELL DRILLING CONTRACT WITH LOGAN CITY.

WOULD YOU PLEASE FORWARD THIS ON TO THE CITY FOR THEIR ATTENTION AS
SOON AS POSSIBLE. THANK YOU.

YOURS TRULY,

TECHNICAL SERVICES INCORPORATED

D. K. FUHRIMAN

DKF-JCM

ENCLOSURE

JOHNSTON PUMP COMPANY



3272 E. FOOTHILL BLVD.
PASADENA, CALIFORNIA
CABLE ADDRESS: JOHNSTON
TELEPHONE: 795-8484

July 16, 1964

Bishop & Peterson, Professional Engineers
71 North Second West
Logan, Utah

Attention: Mr. Dean Peterson

Subject: City of Logan, Utah
Wells Nos. 1 and 4
A. H. Palmer & Son P.O.#4425
Johnston Pump Serial Nos. JW-2817-18

Gentlemen:

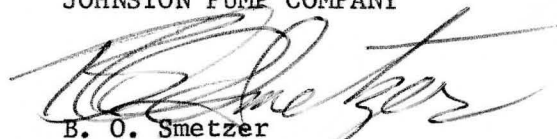
In regard to our telephone conversation on July 13th, enclosed please find copies of correspondence dating back to April 6, 1964, with the full purpose in mind to acquaint you with the type of equipment we propose to furnish on the subject order. The letter of April 6th from W. E. Starr and Company was furnished at our request as called for in the specifications on Page 13, sub-paragraph 1.21.

The Johnston Pump Company has no intention of being remiss in any respect to the specifications and we feel that we have complied in this respect to the fullest extent as you will note from the enclosed correspondence. Also enclosed please find duplicate copies of Delta Switchboard material summary which was dated April 28th and schematic drawings on the reduced voltage starters for Well No. 1 and No. 4.

We hope that we have cleared Johnston Pump Company's position fully and if we can be of any further assistance regarding this matter, please do not hesitate to contact us.

Yours very truly,

JOHNSTON PUMP COMPANY


B. O. Smetzer
Sr. Application Engineer

BOS:jp
Enclosures

cc: R. F. Johnson
A. H. Palmer & Son

W. E. STARR

AND CO.

manufacturers representatives

April 6, 1964

Mr. Dean Peterson,
Bishop & Peterson, Professional Engineers,
71 North Second West,
Logan, Utah

SUBJECT: City of Logan, Utah
Wells Nos. 1 and 4

Dear Mr. Peterson:

Your specifications on the subject job do not specifically include two of our principals who would be very interested in supplying equipment, through the pump companies, to the City of Logan. These two principals are The Ideal Electric and Manufacturing Company of Mansfield, Ohio (on the large rotating apparatus) and the Delta Switchboard Company of Stockton, California (on the high voltage motor control).

In order to inform you a little bit of the capabilities of these two concerns, we are taking the liberty of submitting to you Ideal's Bulletin No. 219 on large vertical motors; and descriptive brochure by the Delta Switchboard Company on their overall capabilities, along with two glossy print photographs of high voltage transformer type starting equipment.

We sincerely hope that the capabilities of these two manufacturers will meet with your approval. We would appreciate your looking this material over prior to bid time so that you will have knowledge of their capabilities before, rather than after the fact.

If you have any additional questions, I would sincerely appreciate answering them for you.

Yours very truly,

W. E. STARR AND CO.

W. E. Starr

WES:m
enc. as noted

Blind Copy: Mr. Barney Smetzger
Johnston Pump Company, Pasadena

A. Alvin Bishop
Dean F. Peterson
Professional Engineers

71 North Second West
Logan, Utah
April 10, 1964

W. E. Starr & Company
926 South Atlantic Boulevard
Los Angeles 22, California

Dear Mr. Starr:

In reference to your letter of April 6 please furnish us a statement of the components to be included in the motor control and their electrical capacities and characteristics. Equipment must meet the specifications in all respects. It is not possible to check this fully from the literature furnished in either case. Any equipment, which upon inspection or tests fail to meet specifications, except as covered by statement on "alternate quotations" will be rejected.

Yours very truly,

D. F. Peterson

Bishop & Peterson

bp

C
O
P
Y

April 15, 1964

Mr. D. F. Peterson,
Bishop & Peterson, Professional Engineers
71 North Second West
Logan, Utah

SUBJECT: City of Logan, Utah
Wells Nos. 1 and 4

Dear Mr. Peterson:

Thank you for your letter of April 10th.

We are presenting your request to the factory at Stockton for direct
submittal to you of the information required (with carbon copy to us
so that we will know what we are bidding to our customers).

Yours very truly,

W. E. STARR AND CO.

W. E. Starr

WES:m

cc: Mr. M. Hofheinz,
Delta Switchboard Co., Stockton

Blind Copy: Mr. Barney Smetzer
Johnston Pump Company, Pasadena

RECEIVED

April 16, 1964

Bishop & Peterson, Professional Engineers
71 North Second West
Logan, Utah

Attention: Mr. D. F. Peterson

Subject: City of Logan, Utah
Well Nos. 1 and 4
Johnston Pump Quotation #W-265

Gentlemen:

Supplementing the contractors' bid for the subject project, we are pleased to offer two copies each of our characteristic performance curve and dimension print. It is requested that these prints and curves be kept on file and become a part of the contractors' bid on April 21, 1964.

If you require additional data or information, please do not hesitate to contact our Mr. Ralph Johnson (address listed below), or the writer.

Yours very truly,

JOHNSTON PUMP COMPANY

BOS:fl
en&ls.

B. O. Smétzer
Sr. Application Engineer

cc: Mr. Ralph Johnson
Johnston Pump Company
P. O. Box 556
Idaho Falls, Idaho

May 8, 1964

A. H. Palmer & Son
188 No. Main
Logan, Utah

F

Subject: Your P. O. 4425-4433
Johnston Pump Serial Nos. JW-2817-18

Gentlemen:

Enclosed with this letter you will find six (6) each pump copies of:

- (☒) Certified prints of H1253 & H1262 not for approval.
We are proceeding with production on your order.
- (☐) Certified prints of _____ for record purposes only.
- (☐) Operation and maintenance manuals.

If we may be of further service, please let us know.

Yours very truly,
JOHNSTON PUMP COMPANY

W. T. Conroy
Sales Department

WTC:jp
cc: Ralph Johnson

May 11, 1964

AIR MAIL

A. H. Palmer & Sons
188 No. Main Street
Logan, Utah

Subject: Your P.O. No. 44-25
Johnston Pump Nos. JW-2817-18

Gentlemen:

In compliance with your request we are enclosing two copies of parts lists intended for use with Delta Control Equipment being furnished on subject order.

We hope this will answer any questions you had regarding this equipment.

If we can be of further service, please do not hesitate to contact this office.

Very truly yours,

JOHNSTON PUMP COMPANY

W. T. Conway
Application Engineer

WTC:jp
Enclosures

cc: R. F. Johnson

May 14, 1964

AIR MAIL

A. H. Palmer & Son
188 No. Main
Logan, Utah

Subject: Your Purchase Order No. 4425-4433
Johnston Pump Nos. JW-2817-18

Gentlemen:

The specifications on the subject job call for "cast iron frame and bracket".
The motor manufacturer's (IDEAL's) are fabricated steel.

We would like to point out that literature covering the IDEAL equipment
was sent to the engineers, Bishop and Peterson, and they are, therefore,
aware of the type of material used in the construction of the IDEAL
equipment.

At your earliest convenience, would you please check with the engineers and
verify that the fabricated steel is satisfactory. Your prompt attention to
this matter will be greatly appreciated.

Very truly yours,

JOHNSTON PUMP COMPANY

W. T. Conway
Application Engineer

WTC:jp

cc: R. P. Johnson
C. H. Todd

Established 1888

A. H. PALMER & SONS

186 NORTH MAIN ST. P. O. BOX 505
PHONE 460

LOGAN, UTAH

May 18, 1964

AIR MAIL

Johnston Pump Company
3272 E. Foothill Blvd.
Pasadena, California

Attention: W. T. Conway

Gentlemen:

Reference is made to your letter of May 14, 1964, regarding material for pump motors, our Purchase Order Nos. 4425-4433.

As you requested, we have contacted Mr. Bishop, of Bishop & Peterson and have received his approval for fabricated steel, in lieu of cast iron frame and bracket.

Please expedite these pumps all possible.

Yours very truly,

A. H. PALMER & SONS

By 
Kenneth D. Palmer

cc: R. F. Johnson

AUTOMATIC COAL STOKERS
OIL BURNERS AND FURNACES

PLUMBING AND HEATING
VALVES - FITTINGS - PIPE

Established 1888

A. H. PALMER & SONS

186 NORTH MAIN ST. P. O. BOX 505
PHONE 460
LOGAN, UTAH

June 1, 1964

Johnston Pump Company
3272 E. Foothill Blvd.
Pasadena, California

Attention: W. T. Conway

Subject: Our P. O. No. 4425
Your Nos. JW-2817-18

Gentlemen:


Will you please send us catalog information showing dimensions of motor starting equipment you propose to furnish, on subject job.

We particularly need information showing where conduit connection will be made through the enclosure of starter.

Yours very truly,

A. H. PALMER & SONS

By


Kenneth D. Palmer



June 4, 1964

AIR MAIL

A. H. Palmer & Sons
P. O. Box 505
Logan, Utah

Attention: Mr. Kenneth D. Palmer

Subject: Your Purchase Order No. 4425
Johnston Pump Serial Nos. JW-2817-18

Gentlemen:

In compliance with your letter dated June 1, 1964, we are enclosing Delta Control detailed drawing No. D7210-2 showing the 150 HP, 440 volt, 3 phase, 60 cycle closed transition reduced voltage starter being furnished on subject job.

You will note that the top view clearly illustrates where the conduit connection can be made through the enclosure of the starter.

If we can be of further service please do not hesitate to contact this office.

Very truly yours,

JOHNSTON PUMP COMPANY

W. T. Conway
Application Engineer

WTC:jp
Enclosures

cc: R. F. Johnson

June 8, 1964

AIR MAIL

A. H. Palmer & Sons
P. O. Box 505
Logan, Utah

Attention: Mr. Kenneth D. Palmer

Subject: Your Purchase Order 4425-4433
Johnston Pump Serial No. JW-2817-18

Gentlemen:

In compliance with your telephone call of June 8, 1964, we are pleased to enclose Delta Control detailed drawing 7210-1 showing the 700 HP closed transition reduced voltage starter being furnished on subject job.

If we can be of further service please contact us immediately.

Very truly yours,

JOHNSTON PUMP COMPANY

W. T. Conway
Application Engineer

WTC:jp
Enclosures

cc: Ralph Johnson

June 15, 1964

A. H. Palmer & Son
188 N. Main St.
Logan, Utah

Subject: Your Purchase Order No. 4425-4433
Johnston Pump Serial No. JW-2817

Gentlemen:

Enclosed with this letter you will find six (6) copies of:

- (X) Certified prints # H-1262-A not for approval.
We are proceeding with production on your order.
- () Certified prints # _____ for record purposes only.
- () Certified performance curves # _____ for record
purposes only.
- () Operation and maintenance manuals.

If we may be of further service, please let us know.

Yours very truly,

JOHNSTON PUMP COMPANY

W. T. Conway

Sales Department

WTC:jp
Enclosures

cc: R. Johnson

May 22, 1964

A. H. Palmer and Sons
186 North Main
Logan, Utah

Gentlemen:

Approval is herewith granted for use of cast steel in place
of cast iron in construction of the discharge heads for the wells
of Sites 1 and 2.

BISHOP AND PETERSON

CC: Ray Hugie
City Engineer

CC: Johnston Pump Co.
Idaho Falls, Idaho

dp

Mr. R. O. Smetsner
RE: Your letter of July 16

Page 2
July 21, 1964

Before awarding the contract, we asked Mr. Palmer to confirm the equipment vendors. Mr. Palmer advised us he had phoned Mr. July 21, 1964 was advised "General Electric or Westinghouse". On May 22, we confirmed R. O. Smetsner with a letter to Palmer and a copy to Ralph Johnson. Application Engineer Johnston Pump Co. would send us copies of parts lists and plans showing 3272 E. Foothill Blvd. Pasadena, California. I do not find them. Who approved them?

RE: Your letter of July 16. Various letters to Mr. Palmer, these matters Dear Mr. Smetsner: and him. Your intentions to use Delta and Ideal equipment. Regarding Delta and the Starr Co., the April 6 and April 15 letters were received. In neither these letters nor in conversations with Ralph Johnson were we ever given any indication that you were considering this equipment. Although Starr says, April 16, they were asking Stockton to send the information, Stockton did not send it, so Delta equipment was not approved. Starr's April 15 letter was the last we heard of them until the other day.

Attached to your letter of April 16, which was accepted as your compliance with Art 1.4, were the following documents:

- cc: a) Dimension sheet and performance curves for the two pumps
- b) Johnston Pump Co. "Over Half a Century of Service"
- cc: c) Johnston Pump Co. "Oil and Water Lubricated Vertical Turbine
- cc: Johnston Pumps."
- d) General Electric GEH-3165 "Vertical, High Thrust Induction Motors"
- e) General Electric 6860A "Complete Line of Reduced Voltage Starters"
- f) General Electric GEA 5504J "Magnetic Combination Starters"

Mr. R. O. Smetzer
RE: Your letter of July 16

Page 2
July 21, 1964

Before awarding the contract, we asked Mr. Palmer to confirm the equipment vendors. Mr. Palmer advised us he had phoned Mr. Johnson and was advised "General Electric or Westinghouse". On May 22, we confirmed our point of view with a letter to Palmer and a copy to Ralph Johnson.

You said you would send me copies of parts lists and plans showing "contractor's approval". I do not find them. Who approved them?

With regard to your various letters to Mr. Palmer, these matters are between you and him. Your intentions to use Delta and Ideal equipment were first called to our attention when Mr. Palmer showed us the switchboard drawings on July 13. As far as we are concerned, the contractor is bound under Art. 1.4 to furnish General Electric starters and motors. Although Starr says, April 16, they were asking Stockton to send the information, Stockton did not send it, as Delta equipment was not approved. Starr's April 15 letter was the last we heard of this until the other day.

Attached to your letter of April 16, BISHOP AND PETERSON as your correspondence with Art 1.4, were the following documents:

- cc: Mr. Kenneth Palmer and performance curves for the two pumps
A.H. Palmer and Sons
- cc: Mr. Ralph Johnson
Johnston Pump Co. "Oil and Water Lubricated Vertical Turbine Pumps."
- cc: Mr. Ray Hugie
City Engineer

- a) General Electric 6340 "General Electric Vertical Turbine Pumps"
- b) General Electric 6340 "General Electric Vertical Turbine Pumps"
- c) General Electric 6340 "General Electric Vertical Turbine Pumps"